

Automotive lubricants. Axles and Differentials.

Driveline EP FE+LD 75W-90



Key information

- A 100% synthetic, universal multigrade extreme-pressure (EP) lubricant, specially formulated for rear axles and manual transmissions subjected to high loads.

> Quality standards

- API GL-5/GL-4/MT-1
- SAE J2360
- MIL-PRF-2105 E

> Manufacturer specifications

- | | | |
|--------------------------|----------------------------|---|
| • MAN 341 Z2 | • Scania STO 1:0/ STO 1:1G | • ZF TE-ML 02B/05A/12L/12N/16F/17B/19C/21A (ZF000086) |
| • MAN 342 S1 | • Scania STO 2:0 A FS | |
| • DTFR 12B140 (MB 235.8) | • Volvo 97312 | |



> Use

- On transmission shafts in various types and models of trucks.
- When a wider operating temperature range is required under extreme temperature conditions (-40°C to 38°C).
- It can be used as a substitute for SAE 80W in the following specifications: ZF TE ML 02 and MAN 341.
- When a long-life oil is required: 120,000–160,000 km.
- In latest-generation boxes that require:
 - Very smooth shifting.
 - Good and accurate response of gear synchronisms

> Benefits

- It significantly improves the fatigue resistance of gear teeth thanks to its high load-carrying capacity, excellent shear stability, and optimized friction properties.
- It minimizes deposit formation due to its high oxidation stability, outperforming SAE 80W-90 mineral oils.
- It enhances driving comfort by providing smoother gear shifts and helping to reduce transmission operating noise.
- It significantly extends the lubricant's service life compared to mineral oils, allowing for longer oil change intervals and reducing maintenance costs.
- It reduces friction in transmissions and axles, providing effective protection against wear—especially during cold starts—thereby improving mechanical efficiency and contributing to fuel economy.

The values of typical characteristics listed in the table are average values provided for informational purposes only and do not constitute a guarantee. These values are subject to change without notice.

Moeve Client Solutions S.A.U. • Paseo de la Castellana, 259A • 28046 Madrid • moeve.es

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> Physical and chemical properties

Characteristic	Units	Method	Driveline EP FE+LD
SAE Grade	-	-	75W-90
Density at 15°C	kg/l	ASTM D 4052	0.870
Viscosity at 100°C	cSt	ASTM D 445	15.3
Viscosity at 40°C	cSt	ASTM D 445	106
Viscosity Index	-	ASTM D 2270	152
Brookfield viscosity -40°C	cP	ASTM D 2983	<150000
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	200

> Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.